

6. FOUNDRIES and METAL PROCESSING

Industry Category	SCC Description	SCC Code	Emission Factor						Emission Factor Unit
			CO	NOx	PM10	SOx	VOC	Lead	
Secondary Metal Production									
Secondary Aluminum Production	Sweating Furnace	30400101			13.3	0.02			lb/ton produced
Secondary Aluminum Production	Smelting Furnace/ Crucible	30400102			1.7				lb/ton metal produced
Secondary Aluminum Production	Smelting Furnace/ Reverb	30400103			2.6		0.20		lb/ton metal produced
Secondary Aluminum Production	Fluxing: Chlorination	30400104			532				lb/ton chlorine used
Secondary Aluminum Production	Burning/Drying	30400109		0.9		2.9			lb/ton metal produced
Secondary Aluminum Production	Pouring/Casting	30400114		0.01		0.02	0.14		lb/ton metal charged
Secondary Copper Production	Wire Burning: Incinerator	30400208			253	12.8	0.6		lb/ton of charge
Secondary Copper Production	Reverberatory Furnace Charge w/ Brass & Bronze	30400215			21.2		0.2		lb/ton of charge
Secondary Copper Production	Crucible & Pot Furnace Charge w/ Brass & Bronze	30400219			12.4	0.5			lb/ton of charge
Secondary Copper Production	Electric Induction Charge w/ Copper	30400223			7				lb/ton of charge
Secondary Copper Production	Electric Induction Charge w/ Brass & Bronze	30400224			20				lb/ton of charge
Secondary Copper Production	Fugitive Emissions Wire Incinerator	30400232			8.2				lb/ton of charge
Secondary Copper Production	Fugitive Emissions Crucible Furnace	30400237			0.29				lb/ton of charge
Secondary Copper Production	Fugitive Emissions Electric Induction Furnace	30400238			0.04				lb/ton of charge
Secondary Copper Production produced	Fugitive Emissions Casting Operations	30400239			0.015				lb/ton castings
Secondary Metal Production	Gray Iron Foundries Electric Induction Furnace	30400303			0.86			0.1	lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Inoculation	30400310			4		0.005		lb/ton metal inoculated

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			<i>CO</i>	<i>NOx</i>	<i>PM10</i>	<i>SOx</i>	<i>VOC</i>	<i>Lead</i>	
Secondary Metal Production	Gray Iron Foundries Charge Handling	30400315			0.36				lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Pouring/Casting	30400320		0.01	2.06	0.02	0.14		lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Casting Cooling	30400325			1.4				lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Casting Knock Out	30400332					1.2		lb/ton sand handled
Secondary Metal Production	Gray Iron Foundries Grinding/Cleaning	30400340			1.7				lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Sand Grinding / Handling	30400350			0.54				lb/ton sand handled
Secondary Metal Production	Gray Iron Foundries Sand Grinding / Handling	30400352			6				lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Core Ovens	30400353		0.5	0.90				lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Castings Finishing	30400360			0.0045				lb/ton metal charged
Secondary Metal Production	Gray Iron Foundries Shell Core Machine	30400370		0.5		0.32			lb/ton of cores produced
Secondary Metal Production	Steel Foundries Electric Arc Furnace	30400701		0.2	13	0.24	0.35		lb/ton metal processed
Secondary Metal Production	Steel Foundries Heat Treating Furnace	30400704		80.7		277.28	0.6		lb/ton metal processed
Secondary Metal Production	Steel Foundries Electric Induction Furnace	30400705			0.09				lb/ton metal processed
Secondary Metal Production	Steel Foundries Sand Grinding / Handling	30400706			0.54				lb/ton sand processed
Secondary Metal Production	Steel Foundries Pouring/Casting	30400708		0.01	2.8	0.02	0.14		lb/ton metal processed
Secondary Metal Production	Steel Foundries Casting Shakeout	30400709			26.2		1.2		lb/ton metal processed
Secondary Metal Production	Steel Foundries: Knock Out	30400710					1.2		lb/ton sand handled
Secondary Metal Production	Steel Foundries: Cleaning	30400711			1.7				lb/ton metal processed

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			<i>CO</i>	<i>NOx</i>	<i>PM10</i>	<i>SOx</i>	<i>VOC</i>	
Secondary Metal Production	Steel Foundries Charge Handling	30400712			0.36			lb/ton metal processed
Secondary Metal Production	Steel Foundries Castings Cooling	30400713			1.4			lb/ton metal processed
Secondary Metal Production	Steel Foundries Shakeout Machine	30400714					1.2	lb/ton sand handled
Secondary Metal Production	Steel Foundries Finishing	30400715			0.0045	47.66	1.1	lb/ton metal processed
Secondary Metal Production	Steel Foundries Sand Grinding / Handling	30400716			6			lb/ton metal processed
Secondary Metal Production	Steel Foundries Core Ovens	30400717		0.5	0.9			lb/ton metal processed
Secondary Metal Production	Steel Foundries Core Ovens	30400718		0.5				lb/gal core oil used
Secondary Metal Production	Steel Foundries Shell Core Machine	30400730		0.5				lb/ton of cores produced
Secondary Metal Production	Steel Foundries Core Machines/Other	30400731		0.5				lb/ton of cores produced
Secondary Metal Production	Malleable Iron Annealing	30400901					0.1	lb/ton metal charged
Secondary Metal Production	Metal Heat Treating Furnace: General	30402201					0.1	lb/ton processed
Secondary Metal Production	Metal Heat Treating Quench Bath	30402210					280	lb/ton processed